AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently Amended) Method for grinding a rotationally symmetrical machine part [[(5)]] provided with a longitudinal bore [[(20)]], the one end-face surface of which is embodied as an active surface [[(24)]] in the form of a flat truncated cone with a cross-section with a straight contour, characterized in that first said active surface [[(24)]] on said machine part [[(5)]] held on one side at its exterior circumference is ground, the rotating circumferential surface of the first cylindrical grinding wheel [[(14)]] being positioned perpendicularly against said active surface [[(24)]], said machine part [[(5)]] being displaced in the direction of its rotational and longitudinal axis [[(17)]] relative to said first grinding wheel [[(14)]], whereby the axial extension [[(28)]] of said first grinding wheel [[(14)]] covers the radial angled extension of said active surface [[(24)]], and in that then in the same clamping the interior wall of said longitudinal bore [[(20)]] is ground, a second grinding wheel [[(16)]] of smaller diameter being introduced into said longitudinal bore [[(20)]] of said machine part [[(5)]] by pivoting a grinding headstock [[(10)]], which carries at least said first [[(14)]] and said second [[(16)]] grinding wheel, and placed radially against said interior wall.

2. (Currently Amended) Method in accordance with claim 1, ~~characterized in that~~ wherein said interior wall of said longitudinal bore [[(20)]] is ground using longitudinal grinding.

3. (Currently Amended) Method in accordance with claim 2, ~~characterized in that~~ wherein said interior wall of said longitudinal bore [[(20)]] is ground using peel-grinding.

4. (Currently Amended) Method in accordance with claim 1, ~~characterized in that~~ wherein said interior wall of said longitudinal bore [[(20)]] is ground using infeed grinding.

5. (Currently Amended) Method in accordance with claim 1, wherein ~~any of the preceding claims, characterized in that~~ individual axial segments ~~(21, 22, 23)~~ of said interior wall of said longitudinal bore [[(20)]] are ground.

6. (Currently Amended) Method in accordance with claim 1, wherein ~~any of the preceding claims, characterized in that~~ at least three grinding wheels are brought into their working position by pivoting three grinding spindles that carry said grinding wheels.

7. (Currently Amended) Apparatus for grinding a rotationally symmetrical machine part [[(5)]] provided with a longitudinal bore [[(20)]], the one end-face surface of which is embodied as an active surface [[(24)]] in the form of a flat truncated cone with a cross-section with a straight contour, ~~in particular for performing the method in accordance with any of claims 1 through 6~~ comprising,

- ~~with~~ a clamping device for one-sided clamping of said machine part [[(5)]] at its exterior circumference and for rotationally driving it,

- ~~with~~ a grinding spindle slide [[(9)]] that can be moved in a direction running transverse to the rotational and longitudinal axis [[(17)]] of said machine part [[(5)]],

- ~~with~~ a device for longitudinal displacement of said machine part [[(5)]] in the direction of its rotational and longitudinal axis [[(17)]],

- ~~with~~ a grinding headstock [[(10)]] that is attached to said grinding spindle slide [[(9)]] via a pivot axis [[(11)]] running perpendicular to the displacement plane ~~thereof~~ of said grinding spindle slide and

that carries at least two grinding spindles ~~(12, 13)~~ that can be pivoted into the working position,

- ~~with~~ a first cylindrical grinding wheel [[(14)]], arranged on said first grinding spindle [[(12)]] and driven thereby, that is for vertical grinding of said active surface [[(24)]] situated on said machine part [[(5)]] and that has an axial extension [[(28)]] that is larger than the radial angled extension of said active surface [[(24)]], and

- ~~and~~ with a second cylindrical grinding wheel [[(16)]], arranged on said second grinding spindle [[(13)]] and driven thereby, that has a smaller diameter than said first grinding wheel [[(14)]] and that is for interior cylindrical grinding of the longitudinal bore [[(20)]] of said machine part [[(5)]],

[[-]] whereby depending on the pivot position of said grinding headstock [[(10)]] either the rotating circumferential surface of said first grinding wheel [[(14)]] is placed on said active surface [[(24)]] of said machine part [[(5)]] to be ground or the axis of said second grinding wheel [[(16)]] runs spaced from and parallel to said rotational and longitudinal axis [[(6)]] of said machine part

[[(5)]].

8. (Currently Amended) Apparatus in accordance with claim 7, ~~characterized in that~~ wherein in the arrangement of two grinding spindles ~~(12, 13)~~ on said grinding headstock [[(10)]] their axes run parallel to one another and said two grinding wheels ~~(14, 16)~~ are attached on the same side of said grinding headstock [[(10)]].

9. (Currently Amended) Apparatus in accordance with claim 8, ~~characterized in that~~ wherein three grinding spindles, each with a grinding wheel, are attached to said grinding headstock at angle intervals of 120 degrees each.

10. (Currently Amended) Apparatus in accordance with claim 7, wherein ~~any of claims 7 through 9, characterized in that~~ said clamping device is a chuck [[(3)]] with centrally adjustable clamping jaws [[(4)]].

11. (Currently Amended) Apparatus in accordance with claim 7, wherein ~~any of claims 7 through 10, characterized in that~~ said clamping device is located on a grinding table [[(7)]] that can be moved in said rotational and longitudinal axis [[(17)]] of said machine part [[(5)]] relative to said grinding spindle slide [[(9)]].